



2000nm Polarization Insensitive Optical Isolator

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks



SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage
Center Wavelength (λ_c)	nm	2000	
Isolation ($\lambda_c \pm 50\text{nm}$, 23°C)	dB	≥ 16	≥ 35
Insertion Loss (λ_c , 23°C)	dB	≤ 1.0	≤ 1.3
Insertion Loss ($\lambda_c \pm 20\text{nm}$, 0-70°C)	dB	≤ 1.2	≤ 1.5
Optical Return Loss (Input/Output)	dB	50/45	50/45
PDL (23°C)	dB	≤ 0.2	
PMD	-	≤ 0.25	≤ 0.30
Fiber Type	-	SMF-28e Fiber	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	mm	$(\Phi)5.5 \times 35$	

- Note:**
1. Specifications are for devices without the connectors
 2. For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.
 3. Devices for higher optical power and pulse power are also available per request.

ORDERING INFORMATION

FISO-	NNNN	-	C	-	C	NN	-	CC/CCC
Center Wavelength	Stage.		Fiber Sleeve		Fiber Length			Connector Type
2000=2000nm	S=Single Stage D=Dual Stage		B=Bare Fiber L=Loose Tube		10=1.0m 15=1.5m 20=2.0m			N =Without Connector FC/APC=FC/APC Connector LC/PC =LC/PC Connector